

Serial No. 10/556,062

Amendment Dated: December 12, 2009

Reply to Office Action Mailed: October 9, 2008

Attorney Docket No. 037068.56908US

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Control electronics integrated in a disc brake for commercial vehicles, with the disc brake having a brake caliper, which extends over a brake disc, and a pneumatic or electric motor-operated brake application device, which is arranged in the brake caliper and serves to apply the brake, the control electronics, which serve to monitor brake-specific parameters and control brake components are connected to a power supply, wherein at least one transceiver unit is provided in the control electronics and is operatively connected to at least one sensor which does not belong to the brake and is part of or close to the a wheel associated with the disc brake.

2. (Previously Amended) The control electronics as claimed in claim 1, wherein the at least one sensor is provided with its own power supply.

3. (Previously Amended) The control electronics as claimed in claim 1, wherein the transceiver unit and the sensor are operable by a telemetry system.

4. (Previously Amended) The control electronics as claimed in claim 1, further comprising a plurality of sensors, each sensor having an associated transceiver unit in the control electronics.

5. (Previously Amended) The control electronics as claimed in claim 1, further comprising a plurality of sensors, wherein all of the sensors which are part of or close to the wheel are operatively connected to a single transceiver unit.

6. (Previously Amended) The control electronics as claimed in claim 1, wherein signals emitted by individual sensors are addressed or coded so that they are distinguishable by the transceiver unit.

7. (Previously Amended) The control electronics as claimed in claim 1, wherein the at least one transceiver unit is mounted on a printed circuit board of existing control electronics of the brake.

8. (Previously Amended) The control electronics as claimed in claim 1, wherein the at least one transceiver unit is positioned in such a way that sensor signals are receivable without interference.

9. (Previously Added) The control electronics as claimed in claim 2, further comprising a plurality of sensors, wherein, all of the sensors which are part of or close to the wheel are operatively connected to a single transceiver unit.

10. (Previously Added) The control electronics as claimed in claim 3, further comprising a plurality of sensors, wherein, all of the sensors which are part of or close to the wheel are operatively connected to a single transceiver unit.

11. (Previously Added) The control electronics as claimed in claim 4, wherein signals emitted by individual sensors are addressed or coded so that they are distinguishable by the transceiver unit.

12. (Previously Added) The control electronics as claimed in claim 5, wherein signals emitted by individual sensors are addressed or coded so that they are distinguishable by the transceiver unit.

13. (Previously Added) The control electronics as claimed in claim 5, wherein the at least one transceiver unit is mounted on a printed circuit board of existing control electronics of the brake.

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14. (Previously Added) The control electronics as claimed in claim 5, wherein the at least one transceiver unit is positioned in such a way that sensor signals are receivable without interference.

15. (Previously Added) The control electronics as claimed in claim 7, wherein the at least one transceiver unit is positioned in such a way that the sensor signals are receivable without interference.

16. (Previously Added) The control electronics as claimed in claim 2, wherein said own power supply is a battery.

17. (Currently Amended) A control assembly for a vehicle brake, the control assembly comprising:

control electronics integratable into the brake, the control electronics being operatively configured to monitor brake-specific parameters and to control braking components;

a power supply coupled to the control electronics;

a transceiver unit arranged in and forming a part of the control electronics integratable in the brake; and

at least one sensor external to the brake and pertaining to a wheel or being configured in approximate vicinity of to the wheel, wherein the transceiver unit is operatively configured for actively communicating with the sensor.

18. (Previously Added) The assembly according to claim 17, wherein the at least one sensor has a battery power supply.

19. (Previously Added) The assembly according to claim 17, wherein the transceiver unit and the sensor communicate via a telemetry system.

20. (Previously Added) The assembly according to claim 17, further comprising a plurality of sensors, wherein those sensors which are part of or in proximity to the wheel are operatively coupled to a single transceiver unit in the control electronics.